

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2004/050786

### Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

Devices (1) comprising antenna (2-4 or 2,3,5) for receiving radio frequency signals are provided with first conductor (2) for receiving the radio frequency signals and for converting the radio frequency signals into electromagnetic fields and second conductor (3) for receiving at least a part of the electromagnetic fields and for converting the received electromagnetic fields into input signals. The second conductor (3) are coupled to radio frequency circuits (10) for processing the input signals. The resonant frequencies of these antennas (2-4 or 2,3,5) can be selected by designing the dimensions of the second conductor (3) and their positions with respect to the first conductor (2). The radio frequency circuits (10) comprise antenna diversity units (20) coupled to the second conductors (3) and to third conductors (4,5). The third conductor (4) mainly receive the electromagnetic fields, or the third conductor (5) mainly receive the radio frequency signals. The devices (1) comprise wireless headphones.

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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01Q9/04 H04B7/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	GB 2 382 722 A (PSION DIGITAL LTD) 4 June 2003 (2003-06-04) figures 1-3 abstract claims 1-10	1 2-12
X A	EP 0 987 788 A (WHITAKER CORP) 22 March 2000 (2000-03-22) abstract figure 1 claims 1-12	1 2-12
X A	US 2003/076259 A1 (ZHANG XIN) 24 April 2003 (2003-04-24) abstract figures 3-6 claims 1-8	1 2-12
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the International search

14 October 2004

Date of mailing of the International search report

26/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Mier, A

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 6 531 985 B1 (ANDRUS DAVID ET AL)  11 March 2003 (2003-03-11)  abstract  figures 1-5  claims 1-20</p> <p>-----</p>	1-12

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2382722	A	04-06-2003	WO 03044890 A1	30-05-2003
EP 0987788	A	22-03-2000	EP 0987788 A2	22-03-2000
			JP 2000101329 A	07-04-2000
US 2003076259	A1	24-04-2003	NONE	
US 6531985	B1	11-03-2003	NONE	